| Index of Claims |
|-----------------|
|                 |

| Application No. | Applicant(s)    |
|-----------------|-----------------|
| 10/784,443      | BURG, DONALD E. |
| Examiner        | Art Unit        |
| Lars A Olson    | 3617            |

| √ | Rejected |  |
|---|----------|--|
| = | Allowed  |  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| - | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla          | aim      |       |                      |          | [ | Date   | e   |  |          |          |      | Cla  | aim      | Date             |                |          |          |         |         |  |          | Clain         | 1     | Date     |          |                    |           |                         |          |          |          |           |          |
|--------------|----------|-------|----------------------|----------|---|--|---|--|----------|----------|------|--|----------|------------------|----------------|----------|----------|---------|---------|--|----------|---------------|-------|----------|----------|--------------------|-----------|-------------------------|----------|----------|----------|-----------|----------|
| Final        | Original | 9//11 |                      |          |   |  |   |  |          |          |      | Final  | Original | 91/11            |                |          |          |         |         |  |          | Final         |       | Original |          |                    |           |                         |          |          |          |           |          |
|              | <u>a</u> | =     | ⊢⊹                   | ┥        | _ | -  | ├   | $\vdash$   | ⊢        | ┢        |      |  | 51       | =                | $\vdash$       | $\dashv$ | +        | +       | ╁       | ₩  | $\dashv$ | ⊢             | 1     | 01       | $\dashv$ | $\dashv$           | ╬         | +                       | $\dashv$ | $\dashv$ | +        | $\dashv$  | ᅱ        |
| <b>-</b>     | 1        | =     | ╁                    | ┪        |   | ├  | ┢   | ┝╌   | ┢        | $\vdash$ |      | _  | 52       | =                | $\vdash$       | $\dashv$ | +        | +       | ╁╌      | $\vdash$   | $\dashv$ | $\vdash$      |       | 02       | $\dashv$ | +                  | ╁         | +                       | +        | $\dashv$ | $\dashv$ | $\dashv$  | ᅱ        |
|              | 3        | =     | $\vdash$             | _        | _ |  | †   | H  | $\vdash$ |          |      |  | 53       | Ξ                | Н              | 十        | $\top$   | $\top$  | +       | $\vdash$   | -        | $\vdash$      |       | 03       | $\dashv$ | $\dashv$           | +         | $\dashv$                | +        | 寸        | $\dashv$ | 寸         | ㅓ        |
|              | 4        | =     | H                    | ┪        |   | <u> </u>   |   | ┢  | Т        | Ħ        |      |  | 54       | =                | П              | ヿ        | 十        | 十       | $\top$  | П  | 7        | Г             |       | 04       | ヿ        | 十                  | 1         | 7                       | 寸        | ヿ        | 十        | $\exists$ | ヿ        |
|              | 5        | =     |                      |          |   |  |   |  |          |          |      |  | 55       | =                |                |          | 丁        |         |         | П  |          |               | 1     | 05       |          |                    | 1         |                         |          | T        |          |           |          |
|              | 6        | =     |                      |          |   |  |   |  |          | $\Box$   |      |  | 56       | =                |                |          | $\Box$   |         |         |  |          |               |       | 06       |          |                    | $\perp$   |                         |          |          | $\Box$   |           |          |
|              | 7        | =     | Ц                    | _        |   | _  | <u> </u>  | L  | <u> </u> | _        |      |  | 57       | Ξ                |                | _        | 4        | _       | _       | $\sqcup$   | 4        | <u> </u>      |       | 07       | _        | _                  | 4         | 4                       | _        | _        | 4        | _         | _        |
|              | 8        | =     | H                    | 4        | _ | <u> </u>   | <u> </u>  | <del> </del> _                                   | ┞        | -        |      |  | 58       | =                |                |          | -        |         | +       | +  |          | <u> </u>      |       | 80       | _        | -                  | +         | 4                       | 4        | -        | $\dashv$ | 4         | ᅴ        |
|              | 9        | F     | H                    | $\dashv$ | _ | $\vdash$   | <u> </u>  | -  | ⊢        | ├        |      | <u> </u>   | 59       | Ξ                | Н              | +        | -        |         | +       | $\vdash$   | -        | ╙             |       | 09       | -        | -                  | +         | +                       | -        | -        | $\dashv$ | $\dashv$  | $\dashv$ |
| ļ            | 10<br>11 | =     | $\vdash$             | $\dashv$ | _ | $\vdash$   | ⊢   | ├  | ┢        | ┢        |      | -  | 60<br>61 | =                | Н              | +        | +        | -+-     | +       | $\vdash$   |          | ⊢             |       | 10<br>11 | $\dashv$ | +                  | +         | +                       | $\dashv$ | $\dashv$ | -        | $\dashv$  | $\dashv$ |
| -            | 12       | =     | ╁                    | $\dashv$ |   | ┝  | <del> </del>  | ├  | $\vdash$ | $\vdash$ |      | <del>                                     </del> | 62       | =                | Н              | $\dashv$ | +        | +       | +       | H  |          | -             |       | 12       | $\dashv$ | +                  | +         | +                       | $\dashv$ | $\dashv$ | +        | $\dashv$  | ᅱ        |
|              | 13       | =     |                      | $\dashv$ | _ | $\vdash$   | t   | t  | H        | $\vdash$ |      | <del>  -</del>                                   | 63       | =                | Н              | _        | $\dashv$ | +       | +       | $\vdash$   |          | $\vdash$      |       | 13       | $\dashv$ | $\dashv$           | +         | $\dashv$                | 十        | +        | $\dashv$ | $\dashv$  | $\dashv$ |
|              | 14       | =     | $\vdash$             | $\dashv$ |   | <del>                                     </del> | T   | Ι  | Т        | H        |      |  | 64       | =                | Н              | $\dashv$ | $\dashv$ | 十       | +-      | $\Box$   | -        | H             |       | 14       |          | +                  | $\dagger$ | $\forall$               | 7        | $\dashv$ | $\top$   | $\dashv$  | $\dashv$ |
|              | 15       | =     |                      |          |   |  |   |  |          | Т        | 1    |  | 65       | =                |                |          | $\dashv$ | $\top$  | 1       | Ħ  | <b>-</b> | Г             |       | 15       | _        |                    | 十         | 7                       | $\neg$   | 7        | $\neg$   | 7         | $\neg$   |
|              | 16       | =     |                      |          |   |  |   |  |          |          |      |  | (66)     | =                |                |          |          |         |         |  |          |               |       | 16       |          |                    | T         |                         |          |          | $\Box$   |           |          |
|              | 17       | =     |                      |          |   |  |   |  |          |          |      |  | 67       | 1                |                |          |          |         |         |  |          |               |       | 17       |          |                    | $\perp$   |                         |          |          |          |           |          |
|              | 18       | =     |                      |          |   |  | <u> </u>  | L  |          | L        |      |  | 68       | <u>~</u>         |                |          |          |         |         |  |          |               | _   1 | 18       | _        |                    | ┵         | _                       | _        | _        | _        | _         |          |
|              | 19       | =     |                      |          |   |  | <u> </u>  |  | ļ        | <u> </u> |      |  | 69       | 1                | Ш              |          | _        | _       | 1_      | $\sqcup$   | <u> </u> | 匚             |       | 19       |          |                    | _         | 4                       | 4        | _        | $\dashv$ | _         | _        |
|              | 20       | Ξ     | Н                    | _        |   | _  | ┡   | ╙  | <u> </u> | ┺        |      |  | 70       | 1                |                | $\dashv$ | $\dashv$ | -       | +       | $\sqcup$   | -1:::    | <u> </u>      |       | 20       | _        | -                  | +         | 4                       | 4        | _        | $\dashv$ | _         | 4        |
| <u> </u>     | 21       | =     |                      | _        |   |  | ┡   | -  | ⊢        | ⊢        |      | <u> </u>   | 71       | V                | -              | _        | +        | +       | +       | 1  |          | <u> </u>      |       | 21       |          |                    | +         | 4                       | 4        | -        | $\dashv$ | -         | $\dashv$ |
| -            | 22       | =     | $\vdash$             | -        | _ | -  | ├   | ├  | ├        | ╁        |      |  | 72       | =                | Н              | -        | +        | +-      | ╁       | 1-1  | -        | <u> </u>      |       | 22<br>23 | $\dashv$ | -                  | +         | +                       | $\dashv$ | -+       | +        | -         | $\dashv$ |
|              | 23       | ==    | Н                    | $\dashv$ | _ | <del> </del> —                                   | $\vdash$  | ⊢  | ⊢        | 1        |      | ├  | 74       | =                | Н              | $\dashv$ | +        | +       | +       | $\vdash$   | $\dashv$ | $\vdash$      |       | 23<br>24 | -        | $\dashv$           | +         | +                       | -+       | -        | +        | -+        | $\dashv$ |
| <b>—</b>     | 25       | Ξ     | $\vdash$             | $\dashv$ | _ | $\vdash$   | $\vdash$  | $\vdash$   | ┢        | ╁╌       | ł    |  | 75       | =                | Н              | $\dashv$ | $\dashv$ | +       | +       | + +  | $\dashv$ |               |       | 25       |          |                    | 十         | $\dashv$                | 1        | $\dashv$ | $\dashv$ | +         | _        |
|              | 26       | =     | H                    | $\dashv$ | _ | ┢  | $\vdash$  | <del>                                     </del> | ╁╾       | ┢        |      | $\vdash$   | (76)     | =                | Н              | $\dashv$ | $\dashv$ | $\top$  | +       | $\vdash$   | -        | $\vdash$      |       | 26       | _        | $\dashv$           | +         | +                       | ┪        | $\dashv$ | $\dashv$ | ┪         | $\neg$   |
| -            | 27       | =     | $\vdash$             | $\neg$   |   | $\vdash$   | T   |  |          | T        | 1    |  | 77       | =                | Н              |          | _        | ┰       | $\top$  | Ħ  | $\dashv$ | $\vdash$      |       | 27       | $\dashv$ | $\neg$             | 十         | 7                       | 7        | 7        | 十        | 7         | $\neg$   |
|              | 28       | =     | H                    |          |   |  | T   |  | T        | l        |      |  | 78       | =                |                |          | 寸        | T       | 1       | Ħ  | 7        | Г             |       | 28       | $\neg$   | $\neg$             | ┪         | 7                       | 丁        | ヿ        | $\neg$   |           |          |
|              | 29       | =     | П                    |          |   |  |   |  |          |          |      |  | 79       | =                |                |          |          |         |         |  |          |               | 1     | 29       |          |                    |           |                         |          |          | $\Box$   |           |          |
|              | 30       | =     |                      |          |   |  |   |  |          |          |      |  | 80       |                  |                |          |          |         |         |  |          |               |       | 30       |          |                    | $\Box$    |                         |          |          | $\Box$   |           |          |
|              | 31       | =     | Щ                    |          |   |  | $oxed{oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |  |          |          |      |  | 81       | L                |                |          |          | $\perp$ |         |  | _        | <u></u>       |       | 31       | _        | $\perp$            | ┵         | _                       |          | _        | _        |           |          |
|              | 32       | =     | Ш                    | _        |   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | $oxed{oxed}$  | _  |          | _        |      | <u> </u>   | 82       | _                | Ш              |          | 4        | 4       | $\perp$ | $\sqcup$   | _        | <u>_</u>      |       | 32       | _        |                    | 4         | 4                       | 4        | 4        | $\dashv$ | _         |          |
| <u> </u>     | 33       | =     | Н                    | _        |   | <u> </u>   | ┡   | L  | L        | <u> </u> |      | ļ  | 83       | L_               |                |          | 4        | _       | $\bot$  | 1-1  | -4:::    | <u> </u>      |       | 33       | _        |                    | 4         | 4                       |          | _        | $\dashv$ | -         |          |
| <u> </u>     | 34       | =     | $\vdash \vdash$      |          | _ |  | <b>├</b>  | <del>-</del>                                     | ⊬        | ╄        |      | <b> </b>   | 84       | -                | Н              | $\dashv$ | +        | +       | ╂       | $\vdash$   | -1::     | $\vdash$      | 1     | 34       |          |                    | +         | $\dashv$                | $\dashv$ |          | +        | $\dashv$  | _        |
|              | 35       | =     | $\vdash$             | -        | _ | $\vdash$   | $\vdash$  | 1  | -        | ╁        | ł    | <u> </u>   | 85<br>86 | $\vdash$         | Н              | $\dashv$ | +        | +       | +       | $\vdash$   | $\dashv$ | $\vdash$      |       | 35<br>36 | -        | +                  | +         | $\dashv$                | $\dashv$ | $\dashv$ | +        | $\dashv$  | $\dashv$ |
| -            | 36<br>37 | =     | $\vdash \vdash$      | -        | _ | -  | ╁   | ╁  | $\vdash$ | ┢        | liii | <u> </u>   | 87       | -                | Н              |          | $\dashv$ | -       | +       | $\vdash$   | - :::    | $\vdash$      | +1    | 36<br>37 |          | +                  | +         | $\dashv$                | $\dashv$ | $\dashv$ | +        | $\dashv$  | -        |
|              | 38       | =     | H                    | $\dashv$ |   | $\vdash$   | $\vdash$  | H  | ╁        | ╁╴       |      |  | 88       | $\vdash$         | $\vdash$       | +        | $\dashv$ | +       | +       | $\vdash$   |          | $\vdash$      |       | 38       | $\dashv$ | +                  | ╁         | $\dashv$                | +        | +        | +        | +         | $\dashv$ |
| _            |          |       | $\vdash$             | $\dashv$ |   | $\vdash$   | T   | $\vdash$   | $\vdash$ | $t^-$    |      | <b></b> -  | 89       | $\vdash$         | Н              | $\dashv$ | $\dashv$ | +       | $\top$  | $\sqcap$   | -        | $\vdash$      |       | 39       | $\dashv$ | $\top$             | $\dagger$ | $\dashv$                | +        | $\dashv$ | 十        | $\dashv$  | $\dashv$ |
|              | 40       | ==    | $\Box$               | 7        |   | Т  | Т   | T  | Т        | T        |      | $\vdash$   | 90       | Ι_               | $\vdash$       | $\top$   | 7        | $\top$  | †       | $\sqcap$   |          | Т             |       | 40       | ┪        | 十                  | 十         | 7                       | 寸        | $\dashv$ | 十        | $\dashv$  | ᅥ        |
|              | 41       | =     |                      |          |   |  | T   |  | Π        | Ī        | 1    | <u> </u>   | 91       |                  |                |          |          |         | T       | H  |          |               |       | 41       | 一        | 7                  | $\top$    | 7                       | 寸        | 7        | $\top$   | T         | ᅦ        |
|              | 42       | Ξ     |                      |          |   |  |   |  |          |          |      |  | 92       |                  |                |          |          | $\perp$ | I       |  |          |               | 1     | 42       |          | 工                  |           |                         |          |          | $\Box$   |           |          |
|              |          | Ξ     | $\Box$               |          |   | 匚  | 匚   | 匚  | Ĺ        | 匚        |      |  | 93       |                  | Ш              |          | Ţ        |         | I       | $\Box$   | _ :::    | 匚             |       | 43       | $\Box$   | $oldsymbol{\perp}$ | $\perp$   | $oldsymbol{\mathbb{I}}$ | $\Box$   | $\Box$   | $\bot$   | $ \bot  $ |          |
|              | 44       | 5     | L.                   | [        |   | $oxedsymbol{oxed}$                               |   | Ļ  | Ĺ        |          |      |  | 94       | $ldsymbol{oxed}$ | Ш              | $\Box$   | $\perp$  | $\perp$ | $\perp$ | Ш  | _ :::    | Ĺ             | 1     | 44       | [        |                    | 1         | $\perp$                 | $\Box$   | _[       | 4        | Ţ         | _        |
|              | 45       | Ξ     | $\sqcup$             | _        |   | <u> </u>   | ┞   | _  | <u> </u> | <u> </u> |      |  | 95       | _                | Ш              | $\perp$  | 4        | $\bot$  | 1       | $\sqcup$   |          | <u> </u>      |       | 45       | _        | 4                  | 4         | 4                       | _        | _        | $\dashv$ | 4         | _        |
| <u> </u>     | 46       | =     | ${oldsymbol{arphi}}$ | 4        |   | <del> </del>                                     | ├-  | ⊢  | <u> </u> | ₽-       |      | <u> </u>   | 96       | <u> </u>         | $\vdash$       |          | $\dashv$ | -       | +-      | $\vdash$   | :::      | <u> </u>      |       | 46       |          |                    | +         | 4                       | 4        |          | $\dashv$ | 4         | 4        |
|              | 47       | =     | $\vdash \vdash$      |          | _ |  | ╀   |  | -        | ╂        |      | <u> </u>   | 97       | -                | $\vdash\dashv$ | $\dashv$ | $\dashv$ | +       | +       | $\vdash$   |          | <u> </u>      |       | 47       |          | +                  | -         | +                       | +        | 4        | +        | 4         | ᅱ        |
|              | 48<br>49 |       | $\vdash$             | -        |   | ╁  | ┼   | -  | +        | ╁        |      | <del> </del>                                     | 98<br>99 | -                | Н              | $\vdash$ | +        | +       | +       | <del>                                     </del> | -        |               |       | 48<br>49 |          | +                  | +         | $\dashv$                | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |
| <del> </del> | 50       | =     | $\vdash$             | $\dashv$ |   | -  | ╁   | $\vdash$   | +-       | ╁╌       | 1::: | <b></b> -  | 100      | -                | Н              | $\dashv$ | +        | +       | +       | ++   | $\dashv$ | <del> -</del> |       | 50       | -        | +                  | +         | $\dashv$                | +        | ┥        | $\dashv$ | +         | $\dashv$ |
|              |          |       |                      |          |   | 1  |   | 1.   |          | 1_       |      |  | ,        |                  |                |          |          |         | •       |  | 1::::    |               |       | ~~       |          |                    |           | - 1                     | - 1      | - 1      |          | - 1       |          |